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Substitute for form 1449A/PTO		<b>Complete if Known</b>			
		Application Number	10/004,061		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Filing Date	October 25, 2001		
		First Named Inventor	CORAK ET AL.		
		Art Unit			
		Examiner Name			
Sheet	1	of	2	Attorney Docket Number	P04085US0 (PHI 1128-US)

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JS		US- 3,079,552	02/26/1963	C. W. E. Walker	324/632
JS		US- 3,255,408	06/07/1966	C. W. E. Walker	324/632
JS		US- 3,644,826	02/22/1972	Cornetet, Jr.	324/637
JS		US- 4,135,397	01/23/1979	Krake	73/280 R
JS		US- 4,239,010	12/16/1980	Amburn	342/70
JS		US- 4,326,163	04/20/1982	Brooke	324/640
JS		US- 4,825,146	04/25/1989	Kotyk et al.	324/642
JS		US- 5,218,309	06/08/1993	Nelson et al.	324/664
JS		US- 5,256,978	10/26/1993	Rose	324/601
JS		US- 5,376,888	12/27/1994	Hook	324/643
JS		US- 5,726,578	03/10/1998	Hook	324/643
JS		US- 5,893,218	04/13/1999	Hunter	34/92
JS		US- 6,085,443	07/11/2000	Hunter	34/585
JS		US- 6,230,419	05/15/2001	Hunter	34/381

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FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

Examiner Signature	Donald M. Fair	Date Considered	4-9-03
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>

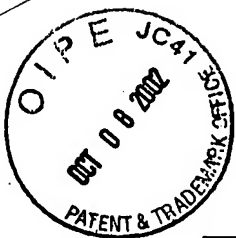
Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

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Sheet	2	of	2	Attorney Docket Number	P04085US0 (PHI 1128-US)

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JS		S. R. EVETT; Coaxial Multiplexor for Time Domain Reflectometry Measurement of Soil Water Content and Bulk Electrical Conductivity; Transactions of the ASAE, Vol. 41(2); pgs. 361-369	
JS		W. SKALING; Trase: A Product History; Advances in Measurement of Soil Physical Properties, SSSA Special Pub. No. 30; Soil Science Society of America; © 1992; Pgs. 169-185 (odd # pages only)	
JS		Web page; <a href="http://www.soilmoisture.com/trase.htm">http://www.soilmoisture.com/trase.htm</a> ; What is Time Domain Reflectometry?; printed from Internet 8/17/99 (3 pgs.)	
JS		Web page; <a href="http://aceis.arg.ca/research/agtran/aagt-06e.html">http://aceis.arg.ca/research/agtran/aagt-06e.html</a> ; Dr. G. Clarke Topp, Principal Investigator; Time Domain Reflectometry Measures Water Content in Feed Mixing & Drying Processes; Eastern Cereal and Oilseed Research Center, Ottawa, Ontario; printed from Internet 8/17/99; (1pg)	
JS		Dialog printout © 1994, #2368197 3333372; re: Kandala, et al; US 5,218,309; pgs 1-2	
JS		Dialog printout © 1994 citations from database search (7 pages)	
JS		Dialog citations © 1994 (1 pg); citing 3451782, 9401451, 3333372, 9306047, and 3311237	
JS		The Next Generation of Moisture Measuring Equipment "Trase Systems"; (4 pages)	
JS		Principles of Time Domain Reflectometry; Chp. 2, pgs 1-11	
JS		Trase Operating Instructions, Soil Moisture Measurement © 1996 63 pages (double-sided)	
JS		Time Domain Reflectometry Theory; Hewlett Packard © 1988 (17 pages)	
JS		<a href="http://iti.acns.nwu.edu/clear/tdr/inw.html">http://iti.acns.nwu.edu/clear/tdr/inw.html</a> ; Ian White, Steven J. Zegelin, G. Clarke Topp, and Allison Fish; Effect of Bulk Electrical Conductivity on TDR Measurement of Water Content in Porous Media; printed from the Internet 8/17/99 (14 pages)	

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